5436 W Crenshaw Street
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www.digital-watchdog.com
Technical Support : 1-866-446-3595/813-888-9555

# INSTRUCTION MANUAL

**D2362DIR Series**

## About manual

Before installing and using the camera, please read this manual carefully.
Be sure to keep it handy for future reference.

# PRECAUTIONS

■ Do not open or modify
Do not open the case except during maintenance and installation, as it may be dangerous and cause damages.

■ Do not put objects inside the unit
Make sure that no metal objects or flammable substances get inside the camera. It could cause fire, short-circuits or damages.

■ Be careful when handling the unit
To prevent damage, do not drop the camera or subject it to strong shock or vibration.

■ Install away from electric or magnetic fields

■ Protect from humidity and dust

■ Protect from high temperature
Be careful when installing close to the ceiling , in a kitchen or boiler room, as the temperature may rise to high levels.

■ Cleaning
Dirt can be removed from the case only by wiping it with a soft cloth moistened with a soft detergent solution.

■ Mounting Surface
The mounting surface material must be strong enough to support the camera.

# TROUBLESHOOTING

Before sending the camera out for repair, check the items below.
If the problem persists after checking these items, contact your service center.

## ■ If no image appears

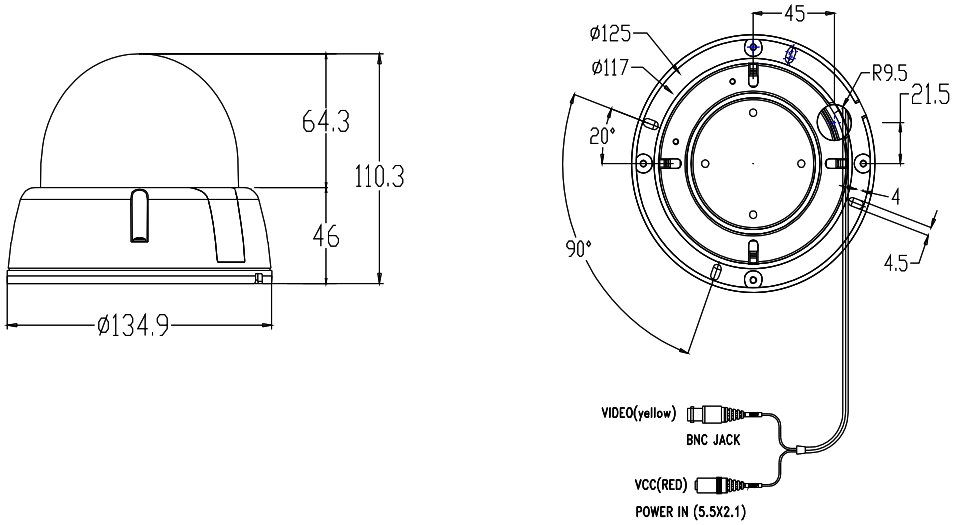
Is the coaxial cable attached securely?
Are the power and voltage normal?
Has the iris of the lens inside the camera been adjusted correctly (with the level volume) ?
Is there adequate illumination?

## ■ If the image is unclear

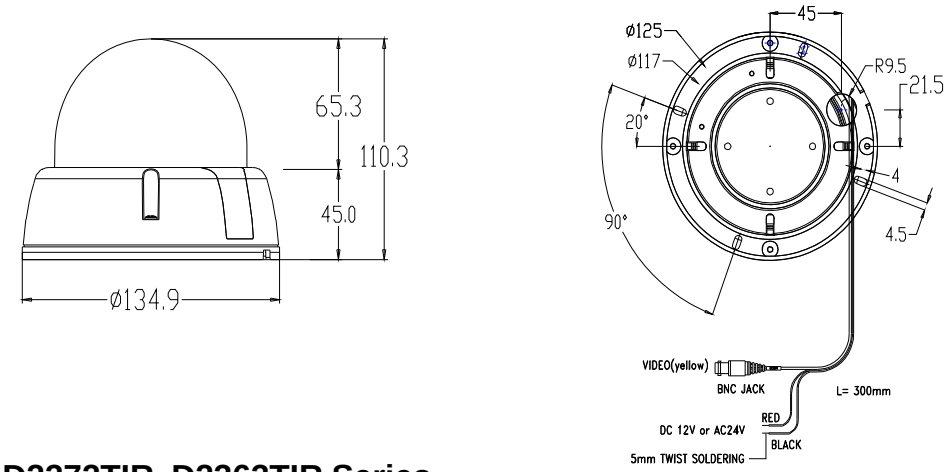
Is the lens in focus?
Is the lens dirty?
Dirt or fingerprints on the lens can adversely affect the images. Gently wipe any dirt or fingerprints off the lens with a soft cloth or lens cleaning paper and cleaning fluid (commercially available).
Is the monitor adjusted correctly?

**WARNING:**
**TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

# DIMENSION (mm)

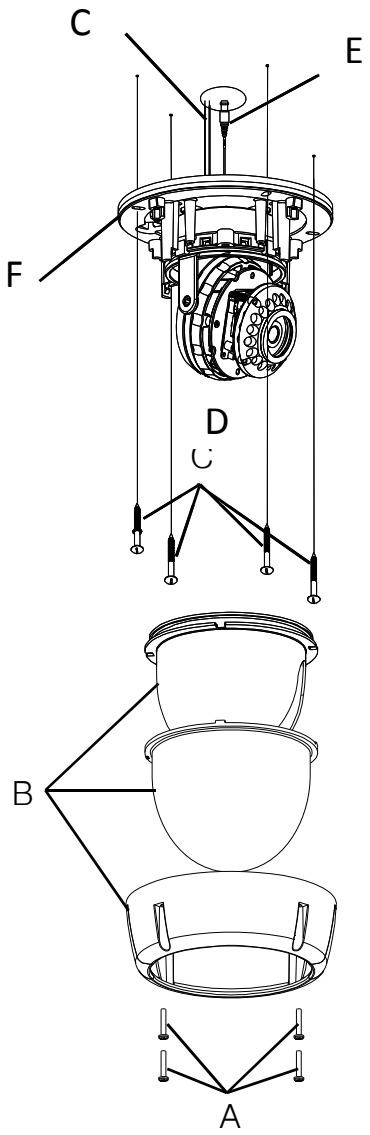


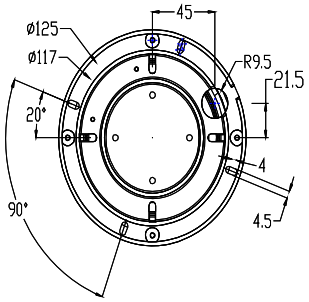

**D2252DIR, D2262DIR, D2362DIR**

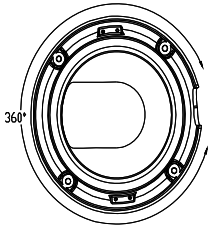



**D2372TIR, D2363TIR Series**

# INSTALLATION



## INSTALLATION (cont.)

A. Loosen the fixing screw using the L-wrench that came with the camera

B. Separate the upper case and the base case.

C. Cut a hole in the ceiling for routing the cables.

D. Place the camera horizontally on the ceiling, drill the screw holes at the marked four positions.

E. Pass the power cable and video cable from the camera unit through the cable hole in the ceiling.

F. Align the screw holes of the camera unit with the holes in the ceiling, secure with the four screws.

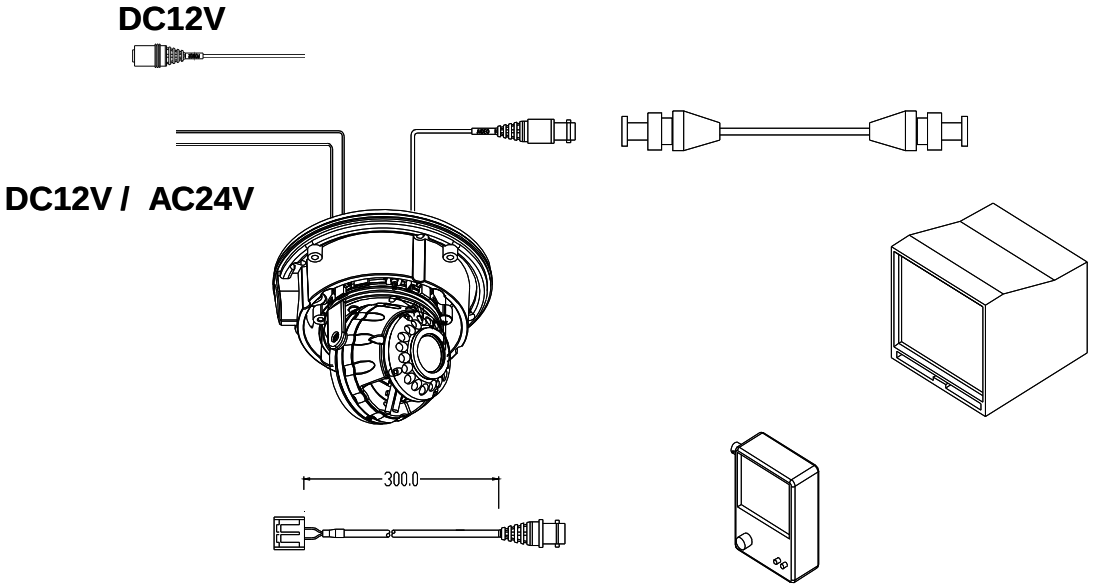
G. Install and adjust the camera unit.

H. Adjust the dome liner to show the lens through the camera window and attach it to the base.

I. Put the upper case and the base together.

J. Tighten the screws with the L-wrench for the upper and base not to be separated .

# CONNECTION

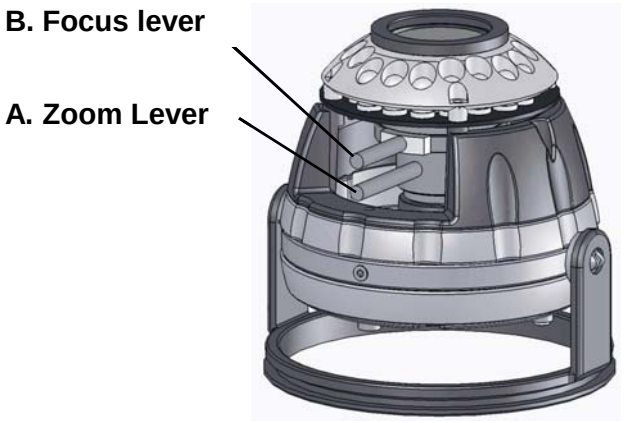



**CAUTION :**

Check for polarity when using a DC 12V power supply.

# CAMERA SETTINGS

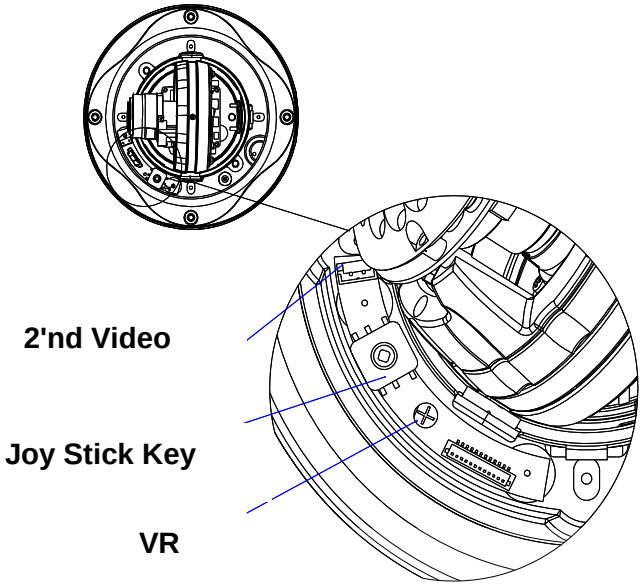
## ■ LENS ADJUSTMENT




A. Set the zoom lever to the desired positon by moving the Zoom lever.
B. Set the Focus lever by moving the Focus lever.

# CAMERA SETTING FOR SIDE OSD CONTROL BOARD

**D2362DIR Series**




## (1) Adjusting level volume (VR)

If the entire image is too dark or bright, or the backlight compensation is not correct even after LENS is set to "DC", you need to adjust the level volume.

| | |
|---|---|
| CCW (Low) | Closes the lens iris, making the entire image darker |
| CW(High) | Opens the lens iris, making the entire image brighter |

## (2) SECOND VIDEO OUT CONNECTOR (2ND VIDEO)

If installer uses a portable monitor, this connector should be connected.

# OSD MENU SETTINGS - D2362DIR

| SETUP | FUNTION | SUMMARY |
|---|---|---|
| LENS | MANUAL, DC | when using BUILT-IN lens,<br>the type of the lens is able to fix |
| SHUTTER | ESC, MANUAL, FLK | MANUAL: 1/60(50) ~ 1/120,000sec |
| WHITE BAL. | ATW, AWC, MANUAL | ATW: 1,800 ~10,500 ˚K |
| BACKLIGHT | OFF, LOW, MIDDLE, HIGH | Backlight compensation |
| AGC | OFF, NORMAL, HIGH | the Brightness can be adjusted(1 ~ 70) |
| DNR | OFF, LOW, MIDDLE, HIGH | when AGC is turned off, DNR does not |
| SENS-UP | OFF, AUTO | when AGC is turned off, SENS-UP<br>does not operate. |
| SPECIAL | Refer to the bottom | |
| EXIT | | Saved all the setting menu, then exits. |

| SPECIAL | FUNTION | SUMMARY |
|---|---|---|
| CAMER ID | uppercase or lowercase,<br>/numeral 0~9/-, null | maximum length for the name<br>display is limited 15letters. |
| DAY / NIGHT | COLOR→AUTO→B/W | AUTO : night time→ B/W mode<br>day time → color mode ,<br>B/W : Always B/W mode<br>COLOR : Always color mode |
| SYNC | INT, LL | LL mode: you can adjust desired phase<br>from 0˚ ~ 359˚, auto detection |
| MATION DETECTION | OFF, ON | ON mode: AREA(4 programmable zone)<br>the word "MOTION DETECTED" appear<br>on the screen when movement is detected |
| PRIVACY | OFF, ON | ON mode:AREA(4 programmable zone ),<br>/SIZE/TONE |
| MIRROR | OFF, ON | set a horizontal image inversion. |
| SHARPNESS | OFF, ON | the available range of level is 0 ~ 31. |
| RESET | | returns to the level which was set<br>by the manufacturer for shipment. |
| RERURN | | save the SPECIAL MENU and then<br>returns to the SETUP MENU |

# WARRANTY INFORMATION

**Digital Watchdog** (referred to as “the Warrantor”) warrants the Camera Series against defects in materials or workmanship as follows:

**LABOR**: For the initial five (5) years from the date of original purchase, if the camera is determined to be defective, the Warrantor will repair or replace the unit, with
new or refurbished product at its option, at no charge.

**PARTS**: In addition, the Warrantor will supply replacement parts for the initial five (5) years.

To obtain warranty or out of warranty service, please contact a Technical Support Representative at **1-866-446-3595** Monday through Friday from 9:00 AM to 5:00 PM Eastern.

A purchase receipt or other proof of the date of the original purchase is required before warranty service is rendered. This warranty only covers failures due to defects in materials and workmanship which arise during normal use. This warranty does not cover damage which occurs in shipment or failures which are caused by products not supplied by the Warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, faulty installation, set-up adjustments, improper antenna, inadequate signal pickup, maladjustment of consumer controls, improper operation, power line surge, improper voltage supply, lightning damage, rental use of the product or service by anyone other than an authorized repair facility or damage that is attributable to acts of God.

**LIMITS AND EXCLUSIONS**

There are no express warranties except as listed above. The Warrantor will not be liable for incidental or consequential damages (including, without limitation, damage to recording media) resulting from the use of these products, or arising out of any breach of the warranty. All express and implied warranties, including the warranties of merchantability and fitness for particular purpose, are limited to the applicable warranty period set forth above.

Some states do not allow the exclusion or limitation of incidental or consequential
damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

If the problem is not handled to your satisfaction, then write to the Address above.

Service calls which do not involve defective materials or workmanship as determined by the Warrantor, in its sole discretion, are not covered. Costs of such service calls are the responsibility of the purchaser.

| Model No. | D2362DIR | |
|---|---|---|
| **Camera TYPE** | **Color/BW** | **Plastic 18IR-LED Day/Night Digital Dome Camera** |
| | Mount | Surface |
| Image | Device | Super HAD II CCD |
| | Size | 1/3" |
| | Pixels-Total | 811(H) x 508(V) |
| | Pixels-Effective | 768(H) x 494(V) |
| Scanning | System | 525 line, 2:1Interlace |
| | Horizontal Frequency Internal Mode | 15,734Hz |
| | Vertical Frequency Internal Mode | 59.94Hz |
| Min. Scene Illumination | IR-LED on | 0 Lux |
| Functions | BLC | ON/OFF (Area Setting) |
| | AGC | ON/OFF (Gain Adjust) |
| | AWB | ATW / AWB / Fixed / Manual |
| | Mirror | ON/OFF |
| | Motion Detection | ON/OFF (Area / Sensitivity / Trace ON/OFF) |
| | Privacy Zone | 4 Programmable Zone / Size |
| Lens | Focal Length | 3.3 ~ 12mm (3.6x Optical) |
| Resolution | Horizontal | 540 TV Lines [at TDN (B/W) :570 TV Lines] |
| Video Output | VBS 1.0Vp-p | VBS 1.0Vp-p(75 Load) |
| S/N Ratio | S/N Ratio | 48dB |
| OSD | OSD | YES |
| Environmental Conditions | Operating Temperature | -10℃ ~ +55℃(14°F ~ 131°F) |
| | Humidity | Less than 90% |
| Power | Power Requirement | 12VDC |
| | Power Consumption | 12VDC: 96mA (LED OFF), 286mA (LED ON) |
| Physical Specification | Dimensions(φ x H) | 134.9 x 110.3mm |